

Amendments to the Specification:

Page 1, after the first paragraph, insert the following heading:

BACKGROUND OF THE INVENTION

Page 2, after the first full paragraph, insert the following heading:

SUMMARY OF THE INVENTION.

Page 4, after the second full paragraph (before line 10), insert the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 5, after the fourth full paragraph (before line 14), insert the following heading:

DETAILED DESCRIPTION OF THE INVENTION

Page 9, amend the fourth full paragraph (lines 26-31) as follows:

Accurate measurement of the magnitude of the phase error, ϕ_E , is possible using information available on the secondary quadrature drive channel. This measurement is not typically recorded as a gyroscope output but can be observed relatively easily, particularly when using the digital control loops of ~~GB 2322471~~. GB 2329471. Any variation in this signal when the gyroscope is rotated is indicative of a phase error. The origin of this effect is described below.

Page 14, after line 11, insert the following paragraph:

The foregoing disclosure has been set forth merely to illustrate the invention and is not intended to be limiting. Since modifications of the disclosed embodiments incorporating the spirit and substance of the invention may occur to persons skilled in the art, the invention should be construed to include everything within the scope of the appended claims and equivalents thereof.